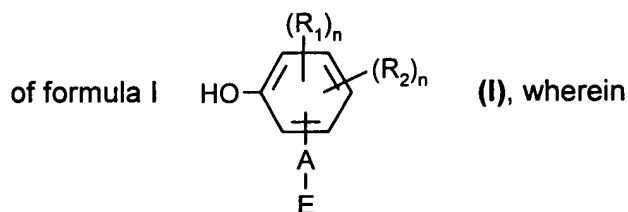


IN THE CLAIMS

Kindly amend the claims as follows.

1. **(currently amended)**: A process for stabilising and at the same time phase compatibilising ~~plastics~~ or plastic compositions comprising at least two different polymers by incorporating polymeric compounds obtainable by reacting a compound selected from the group consisting of the sterically hindered phenols, ~~sterically hindered amines, lactones, sulfides, phosphites, benzotriazoles, benzophenones and 2-(2-hydroxyphenyl)-1,3,5-triazines~~, which compounds contain at least one reactive group, with a ~~compatibiliser~~ compatibiliser compound which is a polymer containing acid groups, acid anhydride groups, ester groups, epoxy groups or alcohol groups or which compatibiliser compound is a copolymer or terpolymer of ethylene, propylene, vinyl acetate or styrene with acrylic acid.

2. **(original)**: A process according to claim 1, wherein the sterically hindered phenols are compounds



R_1 and R_2 are each independently of the other hydrogen, C_1 - C_{25} alkyl, phenyl- C_1 - C_3 alkyl which is unsubstituted or substituted once or several times at the aromatic ring by OH or/and C_1 - C_4 alkyl, unsubstituted or C_1 - C_4 alkyl-substituted C_5 - C_{12} cycloalkyl, or phenyl;

n is 1, 2 or 3;

E is OH, SH, NHR_3 , SO_3H , $COOH$, $-CH=CH_2$, $-(CH_2)_m-CH-CH_2$ or $-P(=O)(OH)-R_4$;

m is 0 or 1;

R_3 is hydrogen or C_1 - C_9 alkyl;

R_4 is C_1 - C_{12} alkyl, or phenyl which is unsubstituted or substituted by one or several C_1 - C_4 alkyl, halogen or/and C_1 - C_{18} alkoxy;

A if E is OH, SH or $-\text{CH}=\text{CH}_2$, is $-\text{C}_x\text{H}_{2x}-$, $-\text{CH}_2-\text{S}-\text{CH}_2\text{CH}_2-$,
 $-\text{C}_q\text{H}_{2q}-(\text{CO})-\text{O}-\text{C}_p\text{H}_{2p}-$, $-\text{C}_q\text{H}_{2q}-(\text{CO})-\text{NH}-\text{C}_p\text{H}_{2p}-$ or $-\text{C}_q\text{H}_{2q}-(\text{CO})-\text{O}-\text{C}_p\text{H}_{2p}-\text{S}-\text{C}_q\text{H}_{2q}-$;

x is a number from 0 to 8;

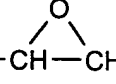
p is a number from 2 to 8;

q is a number from 0 to 3;

R_1 and n are as defined above; or

A if E is $-\text{NHR}_3$, is $-\text{C}_x\text{H}_{2x}-$ or $-\text{C}_q\text{H}_{2q}-(\text{CO})-\text{NH}-\text{C}_p\text{H}_{2p}-$, wherein x, p and q have the meanings cited above; or

A if E is COOH or SO_3H , is $-\text{C}_x\text{H}_{2x}-$, $-\text{CH}_2-\text{S}-\text{CH}_2-$ or $-\text{CH}_2-\text{S}-\text{CH}_2\text{CH}_2-$, wherein x has the meaning cited above; or

A if E is $-(\text{CH}_2)_m-\text{CH}-\text{CH}_2$ , is a direct bond, $-\text{C}_q\text{H}_{2q}-(\text{CO})_m-\text{O}-\text{CH}_2-$ or $-\text{C}_x\text{H}_{2x}-\text{S}-\text{CH}_2-$, wherein q, m, x, R_1 and R_2 are as defined above;

A if E is $-\text{P}(=\text{O})(\text{OH})-\text{R}_4$, is $-\text{CH}_2-$.

3-8. (cancelled).

9. (currently amended): A process according to claim 8₁, wherein the compatibiliser compound is a polymer with acrylic acid (AA) function, glycidyl methacrylate (GMA) function, methacrylic acid (MAA) function, maleic anhydride (MAH) function or vinyl alcohol (VA) function.

10. (currently amended): A process according to claim 8₁, wherein the compatibiliser compound is a copolymer ~~consisting of which is~~ polyethyleneethylene/acrylic acid (~~PE-AA~~), polyethyleneethylene/glycidyl methacrylate (~~PE-GMA~~), polyethyleneethylene/methacrylic acid (~~PE-MAA~~) or polyethyleneethylene/maleic anhydride (~~PE-MAH~~) or a terpolymer of polyethyleneethylene and vinyl acetate with acrylic acid or a terpolymer of polyethyleneethylene and acrylates with acrylic acid.

11. (curr ntly amend d): A process according to claim 8₁, wherein the compatibiliser compound is a grafted polyethylene or polypropylene copolymer selected from the group consisting of maleic

anhydride grafted to polyethylene vinyl acetate (MAH-g-PE-vinyl acetate), maleic anhydride grafted to low density polyethylene (MAH-g-LDPE), maleic anhydride grafted to high density polyethylene (MAH-g-HDPE), maleic anhydride grafted to linear low density polyethylene (MAH-g-LLDPE), acrylic acid grafted to polypropylene (AA-g-PP), glycidyl methacrylate grafted to polypropylene (GMA-g-PP), maleic anhydride grafted to polypropylene (MAH-g-PP), maleic anhydride grafted to ethylene/propylene terpolymer (MAH-g-EPDM), maleic anhydride grafted to ethylene/propylene rubber (MAH-g-EPM) and maleic anhydride grafted to polyethylene/polypropylene copolymer (MAH-g-PE/PP).

B²
12. **(currently amended)**: A process according to claim 8₁, wherein the compatibiliser compound is a grafted styrene co- or terpolymer selected from the group consisting of styrene/acrylonitrile grafted with maleic anhydride (SAN-g-MAH), styrene/maleic anhydride/methyl methacrylate, styrene/butadiene/styrene block copolymer grafted with maleic anhydride (SBS-g-MAH), styrene/ethylene/propylene/styrene block copolymer grafted with maleic anhydride (SEPS-g-MAH), styrene/ethylene/butadiene/styrene block copolymer grafted with maleic anhydride (SEPS-g-MAH) and acrylic acid/polyethylene/polystyrene terpolymer (AA-PE-PS-terpolymer).

13. **(currently amended)**: A process according to claim 8₁, wherein the compatibiliser compound is a vinyl alcohol copolymer.

14. **(cancelled)**.

15. **(original)**: A process according to claim 1, wherein the polymers to be stabilised are recycled material.

16-17. **(cancelled)**.
